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ABSTRACT OF THE DISCLOSURE

5 In an imaging section, an image of an object  
is converted to signal charge by photodiodes arranged in  
the form of a matrix, the signal charge is transferred  
to output circuits by vertical transfer paths, and then  
the signal charge transferred to the output circuits is  
converted to signal voltage by the output circuits. The  
signal voltage is output from the output circuits to a  
10 signal conversion section as signals. The signal  
conversion section performs a processing for the signals  
in parallel, and outputs the processed signals to a  
display section. In the display section, signals are  
converted to voltage by input circuits, and the voltage  
15 is respectively applied to drain buses. A vertical  
driving circuit scans gate buses, and supplies gate  
driving pulses. Field effect transistors supplied with  
the gate driving pulses store charge in response to the  
voltage applied to liquid crystal devices, thus  
20 displaying an image.